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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/767,365	01/22/2001	Sheng Liang	2006579-0558 (CTX-199)	2538

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EXAMINER	
TRAN, QUOC A	

ART UNIT	PAPER NUMBER
2176	

DATE MAILED: 12/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/767,365	LIANG ET AL.	
	Examiner	Art Unit	
	Tran A. Quoc	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 September 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,4-6,8-13 and 15* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,4-6,8-13 and 15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *13 September 2006* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *06/23/2005*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to Amendment filed on 09/13/2006, to the original application filed 01/22/2001, which claims benefit of 60/228,904 filed 08/29/2000.

2. Claims 1, 4-6, 8-13 and 15 are currently pending in this application. Claims 1, 6, 8-11, 13 and 15 are independent claims. Applicant has amended claims 1, 4-5, 8, 10, 13, added new claim 15 and canceled claims 2-3, 7 and 14.

Response to Arguments

3. Applicant's arguments with respect to claims 1, 6, and 8-13, have been considered but are moot in view of the new ground(s) of rejection.

Claim Objection

4. Regarding claims 1, 6, 10, 13 and 15, the phrase "template/token" renders the claim indefinite because it is unclear whether the limitation(s) following the phrase are part of the claimed invention. The Examiner is uncertain of the applicant intention “template/token”. The Examiner reads “template/token” as template and/or token, thereby rendering the scope of the claim(s) unascertainable.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> ***(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.***

6. **Claims 1, 4-6, 8-12 and 15** are rejected under 35 U.S.C. 103(a) as being unpatentable over Nazem et al. US005983227A – issued 11/09/1997 (hereinafter Nazem), in view of Chang et al. US006178461B1 filed 12/08/1998 (hereinafter Chang).

In regard to independent claim 1, receiving a data file (see Nazem at col. 1, lines 50-60 also see Fig. 1), illustrates in FIG. 1, a client-server system 100, for displaying custom news pages. A custom news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106,

retrieving a store version of the data file (see Nazem at col. 1, line 65 through col. 2 line 5), discloses user preferences are organized into templates and is either generated from user preferences or retrieved from a cache, it is note that the above can reasonably reads as receiving a store version of data file.

comparing the stored version of the data file with the received data file to identify non-matching content of the received data file, (see Nazem at col. 3, lines 55-65, see Fig. 1 and Fig 2), discloses in FIG. 2, the user's front page template item 202 is stored in cache item 214 and a shared memory is stored in item 212 (shared memory), wherein the page generator item 210 generates a custom front page item 218 from a user template and the live data stored in shared memory 212.

It is therefore desirable to have the web pages customized and dynamic, the user would see different information each time, and it is inherently to include a means of comparing a store version in the cache comparing to the newly retrieves web page to identify non-matching content of the received data file to generate the dynamic page based upon a user template and the live

data stored in shared memory item 212, since the pages are customized and dynamic (also see Fig. 1 and Fig. 2 for visual detailed of the above).

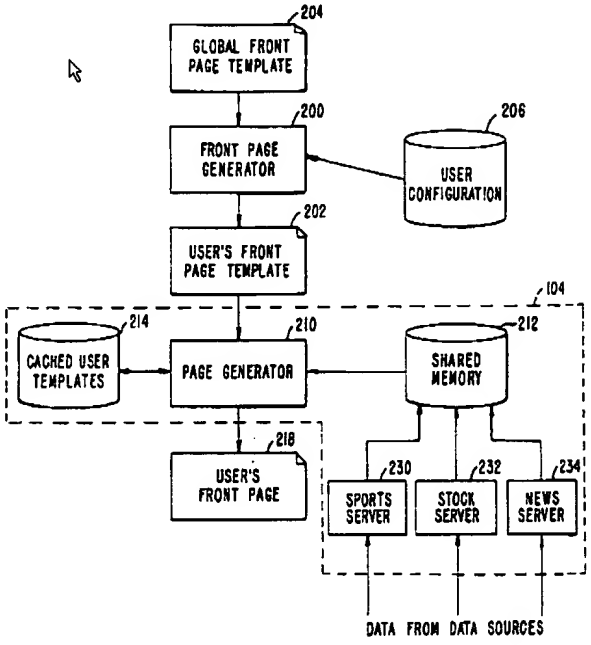


FIG. 2

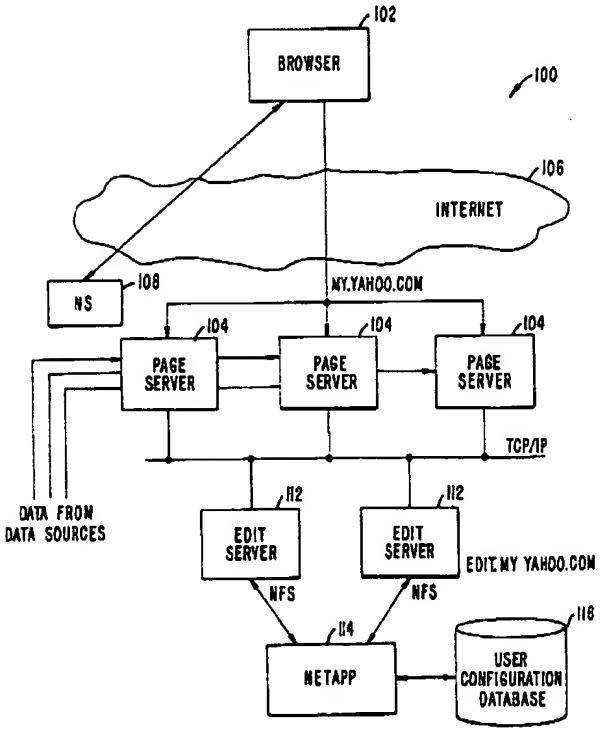
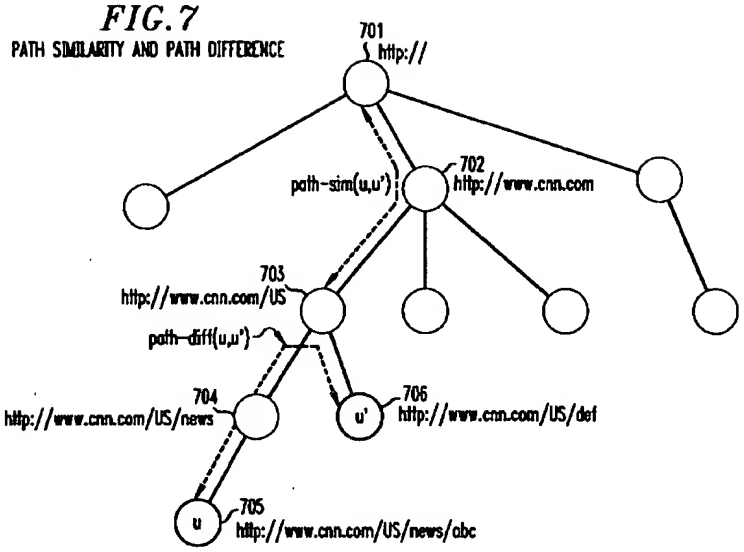


Fig. 1

Nazem does not explicitly teach, **corresponding to the data file, receiving a template/token tree, the tree including at least one static node.** However (see Chang at col. 3, lines 5-15), discloses, when a user request an object and a request is sent if an object is not already in the client's local cache, also (see Chang at col. 8, lines 55-65, also see Fig. 7) Chang illustrates in fig. 7 item 701 as a root node representing the base URL http://, including branches from root note, which is reasonably reads as corresponding to the data file, the tree including at least one static node (root node).

Nazem does not explicitly teach, **parsing only the non-matching content of the receive data file to form at least one subtree, replacing at least one static node of the template/token tree with a token, and creating the mapping from each token to one of the subtree.** However (Chang taught at col. 3, lines 5-15), discloses when a user request an object and a request is sent if an object is not already in the client's local cache, also (see Chang at col. 8, lines 55-65, also see Fig. 7) Chang illustrates in fig. 7 item 701 as a root node representing the base URL http://, including branches from root note, which is reasonably reads as corresponding to the data file, the tree including at least one static node. Also (see Chang at col. 8, line 55 through col. 9 line 20, also see Fig. 7) Chang illustrates in fig. 7 item 701 as a root node representing the base URL http://, including branches from root note, which reads a static node, then extended to several branches items 702 to 706 using the path similarity logic for defining the similarity between nodes in the tree hierarchy, also (see Chang at col. 10, lines 50-55) Chang's HTML pages that are being updated continuously (stock quote, sports scoreboard, newspaper headlines, weather, movie show times, etc.) using the Chang's method.

FIG. 7
PATH SIMILARITY AND PATH DIFFERENCE



It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Nazem, wherein receiving a data file, retrieving a store version of the data file, identify non-matching content of the received data file page, and corresponding to the data file parsing only the non-matching content of the receive data file, to include a means of receiving template/token tree, the tree including at least one static node, to form at least one subtree to form at least one subtree, replacing at least one static node of the template/token tree with a token, and creating the mapping from each token to one of the subtree, of Chang. One of the ordinary skills in the art would have been motivated to perform such a modification, because they are from the same field of endeavor of parsing a static web page into dynamic sub section from plurality of disparate sources from servers for updating live data such as weather, news and live stocks quote in the www and/or Internet and provides an improve method of handling large volume of request for one page server for easily scale by adding additional servers pages and only updating the delta content between custom page at the client browser and server page (see Nazem col. 1, line 15 through col. 2, line 20).

In regard to dependent claim 4, wherein the data file is an web page, (see Nazem at col. 1, lines 50-60 also see Fig. 1), illustrates in FIG. 1, a client-server system 100, which is used to display custom news pages. A custom news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106, it is noted that the Examiner reads news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106 as the data file is an web page.

In regard to dependent claim 5, wherein the data file is an HTML file, (see Nazem at col. 1, lines 50-60 also see Fig. 1), illustrates in FIG. 1, a client-server system 100, which is used to display custom news pages. A custom news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106, it is noted that the Examiner reads news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106 as the data file is an web page also known as HTML file.

In regard to independent claims 6 and 8, incorporate substantially similar subject matter as cited in claims 1 and 4-5 above, and further view of the following and are similarly rejected along the same rationale,

It is noted that the data file is a web page and the data file is an HTML file, discloses above in claims 1, 4 and 5 is reasonably incorporate substantially similar subject matter as cited in claims 6 and thereby similarly rejected along the same rationale.

In regard to independent claims 9 and 10, incorporate substantially similar subject matter as cited in claims 1 and 4-5 above, and further view of the following, and is similarly rejected along the same rationale,

providing derivative services, retrieving data from plurality of primary service providers on behalf of the customer (see Nazem col. 2, line 50 through col. 3, line 30), discloses the client/server www environment that parsing a static web page into dynamic sub section from plurality of disparate sources from servers for updating live data such as weather, news and live stocks quote in the www and/or Internet and provides an improve method of handling large volume of request for one page server for easily scale by adding additional servers pages and only updating the delta content between custom page at the client browser and server page.

In regard to independent claim 11, incorporate substantially similar subject matter as cited in claim 1 above, and further view of the following, and is similarly rejected along the same rationale,

retrieving a second data file, the second data file associated with the first data file, identifying non-matching content present only in the first data file, (see Nazem at col. 3, lines 55-65, see Fig. 1 and Fig 2), discloses in FIG. 2, the user's front page template item 202 is stored in cache item 214 and a shared memory is stored in item 212 (shared memory), wherein the page generator item 210 generates a custom front page item 218 from a user template and the live data stored in shared memory 212.

It is therefore desirable to have the we pages customized and dynamic, the user would see different information each time, it is inherently to include a means of associating a store version in the cache (it is noted a store version in the cache is reasonably reads as first data file) Vs the newly retrieve web page (it is noted a store version in the cache is reasonably reads as second data file) to identify non-matching content of the received data file to generate the dynamic

page based upon a user template and the live data stored in shared memory item 212, since the pages are customized and dynamic.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Nazem, wherein receiving a data file, retrieving a store version of the data file, identify non-matching content of the received data file page, and corresponding to the data file parsing only the non-matching content of the receive data file, to include a means of receiving template/token tree, the tree including at least one static node, to form at least one subtree to form at least one subtree, replacing at least one static node of the template/token tree with a token, and creating the mapping from each token to one of the subtree, of Chang. One of the ordinary skills in the art would have been motivated to perform such a modification, because they are from the same field of endeavor of parsing a static web page into dynamic sub section from plurality of disparate sources from servers for updating live data such as weather, news and live stocks quote in the www and/or Internet and provides an improve method of handling large volume of request for one page server for easily scale by adding additional servers pages and only updating the delta content between custom page at the client browser and server page (see Nazem col. 1, line 15 through col. 2, line 20).

In regard to dependent claim 12, responsive to identifying non-matching content present only in the first data file, however (see Nazem at col. 1, lines 50-60 also see Fig. 1), illustrates in FIG. 1, a client-server system 100, which is used to display custom news pages. A custom news page is displayed on a browser item 102, which obtains the page from a page server item 104 via Internet item 106, it is noted that the Examiner reads news page is displayed

on a browser item 102, which obtains the page from a page server item 104 via Internet item 106 as the data file is an web page also known as HTML file.

Nazem does not explicitly teach, **adding at least one new token to the template /token tree.** However (see Chang at col. 8, line 55 through col. 9 line 20, also see Fig. 7) illustrates in fig. 7 item 701 as a root node representing the base URL http://, including branches from root note, which reads a static node, then extended to several branches items 702 to 706 using the path similarity logic for defining the similarity between nodes in the tree hierarchy. The motivation to combine Nazem and Chang is the same as stated above in claim 11.

In regard to independent claim 15, is directed to a computer program product and instructions for performing the method of claim 1, and is similarly rejected along the same rationale.

7. **Claim 13** is rejected under 35 U.S.C. 103(a) as being unpatentable over Nazem et al. US005983227A – issued 11/09/1997 (hereinafter Nazem), in view of Chang et al. US006178461B1 filed 12/08/1998 (hereinafter Chang), further in view of Livington et al. US006424979B1 filed 12/30/1998 (hereinafter Livington).

In regard to independent claim 13, incorporate substantially similar subject matter as cited in claim 1 above, and further view of the following, and is similarly rejected along the same rationale,

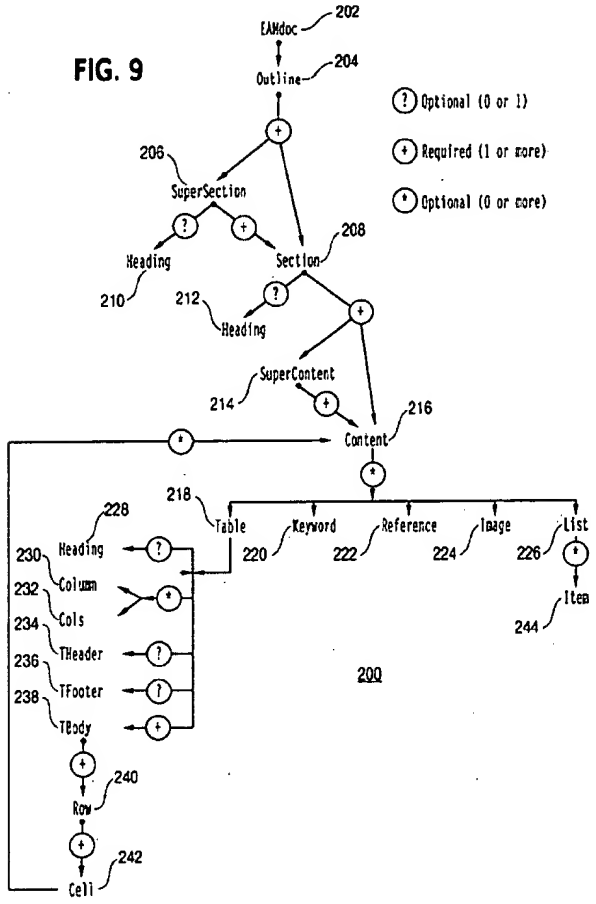
Nazem and Chang do not explicitly teach, ...**communicative couple to the virtual browser**.... However (see Livington at col. 5, lines 20-65), discloses proxy server to serve as a secure gateway to prevent unauthorized access to the network and providing an EAM (Enterprise Architecture Manager) to categorizing and contextualizing information along

"dimensions", including the dimensions of time and level-of detailed. It is reasonably reads proxy server to serve as a secure gateway to prevent unauthorized access to the network as communicative couple to the virtual browser,

Nazem and Chang do not explicitly teach, **at least one virtual browser for retrieving content from primary content servers; an identification engine, communicative to the virtual browser fro identifier retrieve content,** however (see Livington at col. 5, lines 20-65), discloses proxy server to serve as a secure gateway to prevent unauthorized access to the network and providing an EAM (Enterprise Architecture Manager) to categorizing and contextualizing information along "dimensions", including the dimensions of time and level-of detailed , also (see Livington at col. 4, lines 5-25), discloses the uses of EAM (Enterprise Architecture Manager), wherein each component is represented with varying levels of detail and multiple time frames allowing the view of the architecture to be customized based on user preferences. It is reasonably reads proxy server to serve as a secure gateway to prevent unauthorized access to the network as communicative couple to the virtual browser,

Nazem and Chang do not explicitly teach, **a token master for allocating new tokens to the virtual browser,** however (see Livington at col. 2, lines 40-65), discloses a web page returning from web server, then the content separating into atomic unit that allowing the information to be re-arranging and update (see Livington at col. 2, lines 4-10), discloses a system that builds the pages users see dynamically, assembling all relevant information components on the fly based on the user's request and further, please also see Fig. 9 which illustrates as a tree below:

FIG. 9



further more (see Livington at col. 2, lines 40-60) discloses the system that includes a browser interface that allows the user to select a portal specifying the type of content the user desires to view. Also (see Livington at col. 5, lines 20-65), discloses proxy server. It is reasonably reads atomic unit EAMdoc item200 that allowing the information to be re-arranging and update in the above as a token master for allocating new tokens.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to have modified Nazem and Chang system, to include a token master for allocating new tokens to the virtual browser of Livington. One of the ordinary skills in the art

would have been motivated to perform such a modification, because they are from the same field of endeavor of parsing a static web page into dynamic sub section from plurality of disparate sources from servers for updating live data such as weather, news and live stocks quote in the www and/or Internet and provides an improve method of handling large volume of request for one page server for easily scale by adding additional servers pages and only updating the delta content between custom page at the client browser and server page (see Nazem col. 1, line 15 through col. 2, line 20).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Arawal et al.	US20020004813A1	filed	03/05/2001
Taylor et al.	US20020042720A1	filed	10/01/2001

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tran A. Quoc whose telephone number is 571-272-8664. The examiner can normally be reached on Monday through Friday from 9 AM to 5 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on (571) -272-4136. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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November 18, 2006